

Listing and Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A handheld searchlight having a lamp for efficiently producing a high intensity beam of light comprising: a printed circuit board having a first surface and a second surface opposite said first surface, and including circuitry to regulate and control power supplied to the lamp; a housing to contain the printed circuit board; and a heat sink mounted onto a portion of said first surface of said circuit board, coupled to the printed circuit board, the heat sink also coupled to the housing to dissipate heat generated by the printed circuit board, wherein the lamp is one of an arc lamp, incandescent lamp, and plasma lamp.
2. (Original) The handheld searchlight of claim 1, wherein the heat sink is formed from extruded aluminum material.
3. (Original) The handheld searchlight of claim 1, wherein the housing is made from extruded aluminum material for optimum heat transfer characteristics.
4. (Original) The handheld searchlight of claim 1, further comprising a battery contained within the housing and electrically connected to the printed circuit board, wherein the battery supplies power to the handheld searchlight.
5. (Original) The handheld searchlight of claim 4 wherein the battery has a first end and a second end and one or more elongated sides, and wherein the battery has electrical contacts located alternatively on one of the first end or the second end or one of the elongated sides.
6. (Original) The handheld searchlight of claim 5 wherein the electrical contacts are sliding contacts.
7. (Original) The handheld searchlight of claim 1 wherein the housing has a knurled surface to facilitate handling of the handheld searchlight by a user.
8. – 38. (Withdrawn).
39. (New) The handheld searchlight of claim 1, wherein the lamp is one of a mercury, xenon, metal halide, and halogen arc lamp.

40. (New) A handheld searchlight having a lamp for efficiently producing a high intensity beam of light comprising: a printed circuit board having a first surface and a second surface opposite said first surface, and including circuitry to regulate and control power supplied to the lamp; a housing to contain the printed circuit board; a heat sink coupled to the printed circuit board, the heat sink also coupled to the housing to dissipate heat generated by the printed circuit board; a battery contained within the housing and electrically connected to the printed circuit board for supplying power to the handheld searchlight, the battery having a first end and a second end and one or more elongated sides, wherein the battery has sliding electrical contacts located alternatively on one of the first end or the second end or one of the elongated sides.